1. Originator Randy Miller	2. Log Date: 11/3/98	3. CCR #: 98-1153	4. Rev: —	5. Tel: x0400	6. Off: 2078	7. Org. Dev/CO

8. Title of Change: Deliver Khaki Patch for 4PX to SMC and All DAACs (4PX.11)

9. Originator Signature _Randall Miller_	10. Date: 11/3/98	11. Class 11	12. Type: CCR	13. Need Date: 11/3/98	
14. Office Manager Signature		15. Date: 11/3/98	16. Date CCB Decision Needed: 11/3/98	17. Category of Change: Update Baseline	18. Priority: Emergency

19. Documentation/Drawings Impacted: VDD for 4PX 914-TDA-056	20. Schedule Impact: None	21. CI(s) Affected: PLS

22. Release Affected: 4PX	23. Date due to Customer:11/3/98	24. Impl. Date: 11/3/98	25. Effectivity of Change: 11/3/98	26. Est. Cost None

27. Source Reference: ☒NCR (attach)   ☐Action Item   ☐ GSFC CCR   ☐Tech Ref.   ☐Other:
18890

28. Description of Change: (use additional Sheets if necessary)
A database update script is required for 4PX for PLS.

29. Proposed Solution: (use additional sheets if necessary)
Merge the required files to the 4PX.10 code baseline, package the files in a tar file, and deliver the tar file to the SMC for distribution to the VATC and Mini-DAAC.

30. Alternate Solution: (use additional sheets if necessary)
Do not patch 4PX.

31. Consequences if Change(s) are not approved: (use additional sheets if necessary)
Inability to perform ad hoc reprocessing, to use pre-existing DPRs, and to use pre-existing Static Granules.

32. Does Change Affect Any of the following (Please Explain on additional sheet):
☐Maintenance Training ☐Performance ☐Operation Training ☐Safety ☐Service ☐Support ☐Test
☐Baseline (XRP) ☐Y2K Compliance

33. Organization(s) Affected: ☐CM ☐Clearcase SG ☐Contracts ☐Chief Eng ☐FOS ☐M&O
☐QO ☐ Rel Dev ☐Procurement ☐RTSC ☐Sci. Data Eng ☐Security
☐Sys. Dev. ☐Sys. Eng. ☐Sys Verf Acpt ☐Other

34. Site(s) Affected: ☐EDF ☒Mini-DAAC ☒VATC ☒EDC ☒GSFC ☒LaRC ☒NSIDC ☒SMC ☐AK ☐JPL
☐EOC ☐Other

35. Board Comments:	36. Work Assigned To:

37. Release Authorized (For CM Use Only): ☐Yes ☐ No	38. CM Verified/Signature and Date

39. EDF/REL2 CCB Chair (Sign/Date): 11/3/98	40. Disposition ☒App ☐Ap/C ☐DisApproved ☐Withdraw ☐Fwd/ECS ☐Fwd/ESDIS	41. ESDIS ERB Concurrence:
42. ECS CCB Chair (Sign/Date):	43. Disposition: App☐ A/C☐ DisApproved☐ Withdraw☐	44. CCR Closed Date:

ORIGINAL

914-TDA-056

EOSDIS Core System Project

Version 2 Drop 4PX.11 Patch Release for the ECS Project

Release Notes

November 3, 1998

Contents

Appendixes

Appendix A. Adaptation Data

Appendix B. Installation Instructions

Appendix C. Verification Procedures

1. Introduction

1.1 Purpose

Patch 4PX.11 (Khaki patch) provides a PDSP database update script to fix a problem in transitioning version 4PX.0n databases to version 4PX.1n (e.g., transitioning the PDSP database from 4PX.02 (Burgundy) to 4PX.10 (Jade).

See section 5 for the NCR fixed by this patch.

1.2 Scope

This document describes the contents of the patch delivery for Version 2 Drop 4PX. The document identifies the baseline and patch level of the delivery. It also provides an inventory of the delivery, list fixed NCRs, and special operating instructions where applicable.

The files delivered to the System Monitoring and Coordination Center (SMC) are:

- DROP4PY_KHAKI_PATCH_sun5.5_19981103_142433.tar

Additional information regarding this patch is provided on CCR No. 98-1153.

2. Related Documentation

914-TDA-049   Version 2 Drop 4PX Patch Release for the ECS Project, Release Notes

914-TDA-050   Drop 4PX Iteration Installation Notes

3.   General Patch Description

3.1   General Capabilities

An additional database update script was written to perform data conversions required in moving from version 4PX.0n of the PDPS database to version 4PX.1n.

3.2   Subsystem Impacts

The CI affected is PLS.

4. Inventory

The contents of the tar tape are listed below:

Checksum	Blocksize	Filename
35452	33	DROP4PY_KHAKI_PATCH_sun5.5_19981103_142433.tar
8629	26	EcPlDbFixGranuleIDs
45461	3	README.FixGranuleIDs

5.   Non-Conformance Status

5.1   Closed NCRs

NCR ID: **ECSed18890**

Title: PRE: Data Granule discrepancy with Jade patch and 4PX Gamma

Severity: 1

Problem: After installing Jade (4PX.10), a discrepancy with data granule naming causes DPRs to use the wrong input granules.

We installed the 4PX.10 patch in TS2 mode in the VATC. For checkout, we planned to run ACT chained to ETS. Since we had run these DPRs before, we created Ad Hoc production requests for these two PGEs. When we activated the plan, ETS began to run immediately. It should have waited until ACT ran and used the output from ACT as input.

The data granule that was allocated to ETS as its input granule was a granule from a previous run of ACT. It turns out that the granule naming convention was changed and this caused the granule version to be set incorrectly. The new granule that was created was version 0. There were versions 0-6 already in the database, so the new granule should have been version 7. ETS linked to version 6, the latest granule in the database.

Potential Workaround: Delete all PRs in the database. Reinsert all static granules that have been previously inserted. Run the cleanup script that is delivered. This may fix the problem, although it has not been tested. This is probably not an operationally acceptable workaround.

Resolution: Created patch script EcPlDbFixGranuleIDs to massage the granuleIds.

This script is to be run according to instructions given in README.FixGranuleIDs.

Verification: **TBD**

5.2   Open NCRs

There are no Open NCRs or liens against Patch 4PX.11.

Appendix A. Adaptation Data

Not Applicable

Appendix B. Installation Instructions

Dependencies and Preconditions - The Khaki patch can only be installed into modes containing the 4PX/Jade version of ECS. It is critical that the script only be executed once against any given database -- running it multiple times will lead to corruption of the database.

Contents of the Patch Kit - This patch consists of only one (Sun) tar file, which contains two files (the script and instructions for running it).

READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION.

General Instructions - These instructions are to be followed <u>for all subsystems</u>, **except as noted below** under Subsystem Specific Instructions:

1) Download and stage the files for the 4PX Khaki delivery from the SMC.

2) DO NOT perform any clean-up activities (data, databases, CDS entries, et cetera).

3) DO NOT install ECS Assist from the staging directory using the setup script.

4) Copy the following files from the staging area to their target directories on the PDPS Server:

   <staging area>/? → /usr/ecs/<mode>/CUSTOM/?

5) DO NOT perform an installation to SHARED Mode.

6) DO NOT perform a Toolkit installation.

7) DO NOT perform any mkconfigs using ECS Assist -- no changes in configuration are required by the patch.

8) DO execute the PLS ? database script as described in the ? file.

9) DO NOT re-install any ESDTs.

Appendix C. Verification Procedures

TBD